



Town Hall Meeting

WATER MAIN REPLACEMENT PROJECT UPDATE
HIGHLAND DRIVE

History of Highland Infrastructure

- ▶ PVC water mains
- ▶ Installed over 30 years ago
 - ▶ Before current specifications were adopted
- ▶ Main break occurrences increasing
 - ▶ 3 main breaks until 2010
 - ▶ 8 more from 2010 to 2017
 - ▶ 11 in the last three years



Water Main Replacement

Questions about the method being used to install the new water infrastructure

- ▶ “Water main replacement” is a term used in the industry to describe any method of upgrading existing water mains
- ▶ Trenchless methods are not as advantageous as they may seem for water infrastructure projects:
 - ▶ DIP required
 - ▶ Metal pipe installed at main break repairs
 - ▶ Temporary infrastructure above ground



Water Main Location

Issues to consider when
deciding where to install new
water main

- ▶ Available easement and ROW
- ▶ Conflicts with other utilities (gas, electric, cable/phone, storm sewer, sanitary sewer)
- ▶ Other obstacles (large trees, structures, landscaping, hardscaping, etc.)
- ▶ All of these were considered when designing the alignment for the new water main



Progress Update

- ▶ Completion date: April 28
- ▶ Contractor is running behind schedule
- ▶ Should have more crews on site in the next week or two to help catch up
- ▶ Clean up process to begin on north end after valves installed south of Cherry Road
 - ▶ Pressure test, services installed, more testing and sampling
 - ▶ Backfill, clean up, and seed or sod
- ▶ Planning to test and clean up in approximately four sections in effort to minimize disruption to customers



Putting New Main in Service

The following will be
completed before new water
main is put in service

- ▶ Fill new pipes with water from existing water distribution system
- ▶ Flushing to remove air and any other potential debris
- ▶ Pressure test to check for leaks
- ▶ Disinfection via hyperchlorination (24 hours)
- ▶ Flushing to standard chlorine residual level
- ▶ Bacteriological sampling and results
- ▶ Connect new services to existing plumbing (short water outage)



Improving Highland Infrastructure

The purpose of this work is to extend the life of the distribution system and improve the quality of service for the customers on and around Highland Drive

- ▶ Eliminate main breaks and service leaks
- ▶ All yards to be repaired with seed or sod, as needed
- ▶ Road repairs to be coordinated with the City of Madison
- ▶ All customer concerns should be directed to the inspector or engineer
 - ▶ Engineer is documenting specific concerns to be addressed in a punch list that the contractor must complete before final payment



Final Thoughts

- ▶ We realize this will be disruptive to our customers for the duration of the project, and we are thankful to all of you for your continued patience with us as we work to complete this work.
- ▶ We look forward to the completion of this project and the improved infrastructure that will result, and will work with the contractor to minimize any inconvenience to the best of our ability.

